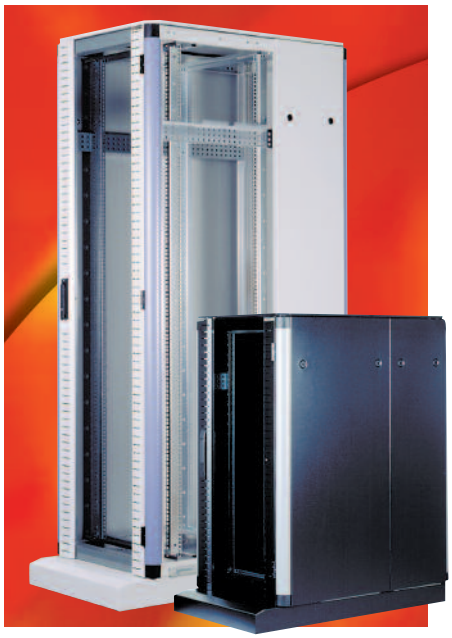
SERVER CABINETS

with D = 1000 mm
D = 1200 mm

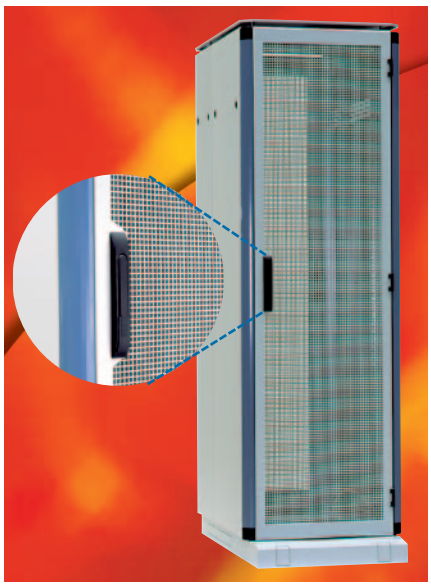


VARIrack 19" server cabinets "standard" D=1000 mm

- dismountable aluminium cabinet frame
- passively ventilated viewing doors (side perforations) with turning lever lock
- rear door with fitted perforated panel (48% perforation) with turning lever lock
- two asymmetrically split side walls with sash fastener locking mechanism
- two 19" levels depth adjustable assembly options for the integrated 19" parts (see top view cabinet frame page 2.3 "Technical information")
- 3-part bottom plate- closed
- closed top plate
- base with tilt prevention D=1150 mm
- earthing set 2.5 mm², mounted
- 19" screw set M5, 50 pcs

Delivery:
fully assembled, base included (with H=2000 mm)

Dimensions (HxWxD):	Colour in RAL tone: cover/design extrusion	Order number
1200 + 100 x 650 x 1000	light grey / pigeon blue	31-6900-49
1600 + 100 x 650 x 1000	light grey / pigeon blue	31-6902-16
1800 + 100 x 650 x 1000	light grey / pigeon blue	31-6902-18
2000 + 100 x 650 x 1000	light grey / pigeon blue	31-6900-50
1200 + 100 x 650 x 1000	deep black/ dusty grey	31-6900-59
2000 + 100 x 650 x 1000	deep black/ dusty grey	31-6900-60



VARIrack 19" server cabinet "Air-max"

- dismountable aluminium cabinet frame (WxD=650x1000 mm)
- passively ventilated front and rear door with fitted perforated panel (64% perforation) with turning lever lock
- two asymmetrically split side panels with sash fastener lock
- two 19" levels depth adjustable assembly options of 19" components (see top view cabinet frame page 2.3 "Technical information")
- 3-part bottom plate- closed
- closed top plate
- base with tilt prevention D=1150 mm
- earthing set 2.5 mm², mounted

Delivery:
fully assembled, base included (with H=2000 mm)

Dimensions (HxWxD):	Colour in RAL tone: cover/design extrusion	Order number
1200 + 100 x 650 x 1000	light grey / pigeon blue	31-6902-19
2000 + 100 x 650 x 1000	light grey / pigeon blue	31-6902-20

VARIrack 19" server cabinet "active"

- dismountable aluminium cabinet frame (WxD=650x1000 mm)
- passively ventilated viewing doors (side perforations) with turning lever lock
- rear door closed
- two asymmetrically split side panels with sash fastener lock
- two 19" levels depth adjustable assembly options of 19" components (see top view cabinet frame page 2.3 "Technical information")
- 3-part bottom plate - closed
- top plate with fan module
- base with detachable ventilator grills, base corners
- earthing set 2.5 mm², mounted

Delivery:
fully assembled, base included

Dimensions (HxWxD):	Colour in RAL tone: cover/design extrusion	No. of fans (throughput)	Order number
2000 + 100 x 650 x 1000	light grey /pigeon blue	3 piece (450 m³)	31-6902-21
2000 + 100 x 650 x 1000	light grey /pigeon blue	6 piece (900 m³)	31-6902-22

VARIrack 19" server cabinet "standard D=1200"

- dismountable aluminium cabinet frame (WxD=650x1200 mm)
- passively ventilated viewing doors (side perforations) with turning lever lock
- rear door with fitted perforated plate with turning lever lock (48% perforation)
- 2-part side panel with sash fastener lock
- two 19" levels depth adjustable assembly options for the integrated 19" parts (see top view cabinet frame page 2.3 "Technical information")
- 3-part bottom plate - closed
- closed top plate
- base with detachable panels and base corners, D=1200 mm
- earthing set 2.5 mm², mounted

Delivery:
fully assembled, base included

Dimensions (HxWxD):	Colour in RAL tone: Cover/design extrusion	Order number
1200 + 100 x 650 x 1200	light grey / pigeon blue	31-6902-29
2000 + 100 x 650 x 1200	light grey / pigeon blue	31-6902-30

VARIrack 19" server cabinet "multi-rack"

- dismountable aluminium cabinet frame (WxD=800x1000 mm)
- "passive" version:
  - ventilated viewing door (side perforations) with turning lever lock
  - rear door with fitted perforated plate and turning lever lock (48% perforation)

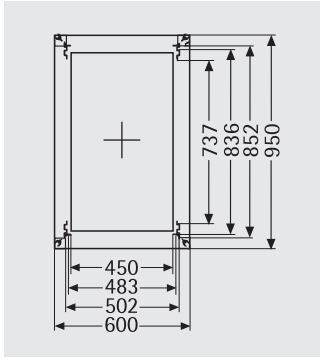
  "active" version:
  - viewing door with turning lever lock
  - rear door closed, with turning lever lock
- two asymmetrically split side panels with sash fastener lock
- two 19" levels depth adjustable assembly options of 19" components (see top view cabinet frame page 2.3 "Technical information")
- 3-part bottom plate - closed
- "passive" version:
  closed top plate - 3-part

  "active" version:
  top with high-volume fan (throughput: 1050 m³/h) complete with earthed connector and temperature sensor (plug & play)
- base with 4 base corners and 4 base panels (2 x ventilated)
- 10 metal cable clamps - side-mounted on the front 19" level
- earthing set (mounted)

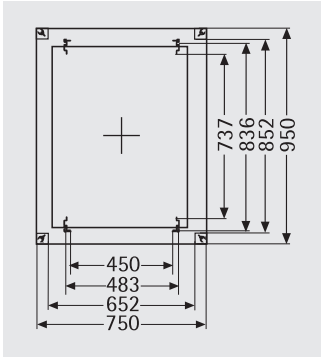
Delivery:
fully assembled, base included

Description	Dimensions (HxWxD):	Colour in RAL tone: Cover/design extrusion	Order number
active	2000 + 100 x 800 x 1000	light grey / pigeon blue	31-6902-23
passive	2000 +100 x 800 x 1000	light grey / pigeon blue	31-6902-24

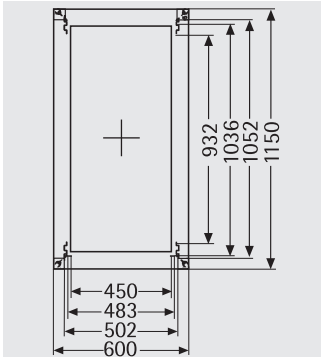
Technical information 19" mounting sizes



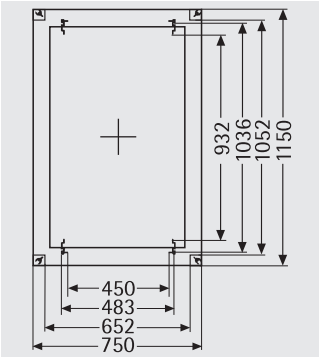
- Top view cabinet frame W x D = 650 x 1000



- Top view cabinet frame W x D = 800 x 1000



- Top view cabinet frame W x D = 650 x 1200



- Top view cabinet frame W x D = 800 x 1200

316 • 19” server cabinet VARIrack

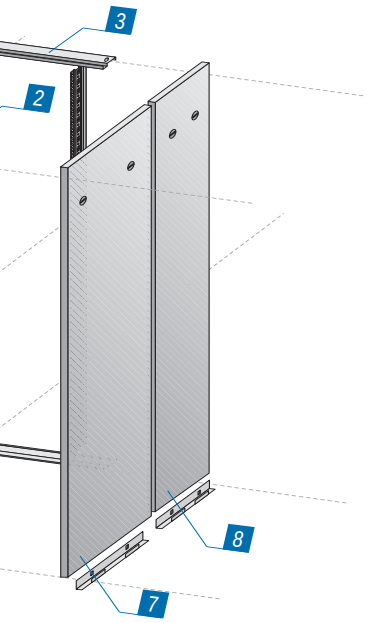
Individual configuration:

Overview of the modular construction of server cabinets,

Position number:	1	2	3	4	5
Individual components / Dimensions	Cabinet frame	Vertical mounting (1 piece)	Traverse for 19" assembly (1 piece)	Viewing door with ventilation grills	Door with perforated plate (42% perforation)
HxWxD = 1200 x 650 x 1000	31-6601-02	31-6120-24	31-6120-60	31-6612-11	31-6612-12
HxWxD = 2000 x 650 x 1000	31-6610-10	31-6120-42	31-6120-60	31-6620-11	31-6620-12
HxWxD = 2000 x 800 x 1000	31-6810-10	31-6120-42	31-6120-61	31-6820-11	31-6820-12
HxWxD = 1200 x 650 x 1200	31-6603-02	31-6120-24	31-6120-60	31-6612-11	31-6612-12
HxWxD= 2000 x 650 x 1200	31-6612-10	31-6120-42	31-6120-60	31-6620-11	31-6620-12
HxWxD = 2000 x 800 x 1200	31-6812-10	31-6120-42	31-6120-61	31-6820-11	31-6820-12

Position number:	12	13		14		15	16	
Individual components / Dimensions	Cover plate size 1 closed	Cover plate size 2		Cover plate size 3		Cover plate size 4	Cover plate size 5	
		closed	fan module	closed	Fanmodule	closed	closed	fan mo
HxWxD = 1200 x 650 x 1000	31-6111-11	31-6111-12	31-6111-22	31-6111-13	31-6111-23	-	-	-
HxWxD = 2000 x 650 x 1000	31-6111-11	31-6111-12	31-6111-22	31-6111-13	31-6111-23	-	-	-
HxWxD = 2000 x 800 x 1000	-	-	-	-	-	31-6111-14	31-6111-15	31-6111
HxWxD = 1200 x 650 x 1200	31-6111-11	31-6111-12	31-6111-22	31-6111-13	31-6111-23	-	-	-
HxWxD = 2000 x 650 x 1200	31-6111-11	31-6111-12	31-6111-22	31-6111-13	31-6111-23	-	-	-
HxWxD = 2000 x 800 x 1200	-	-	-	-	-	31-6111-14	31-6111-15	31-6111

Configure your individual cabinet. Select your required cabinet components step by step



Overview for determining cover plates for bottom and top frame

Cabinet dimensions	W=650		W=800	
D=1000	2 7 2 7 2	1 7 3 7 3	5 8 5 8 5	4 8 6 8 6
D=1200	1 7 2 7 2 7 2	1 7 3 7 3 7 3	4 8 5 8 5 8 5	4 8 6 8 6 8 4

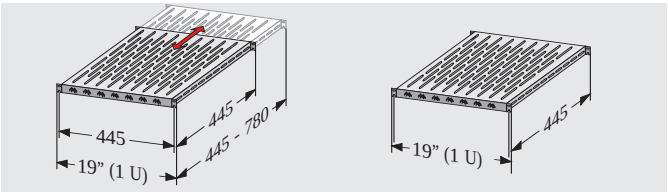
Finish: cover parts RAL 7035 / design extrusion RAL 5014

	6	7	8	9	10	11
	Door with perforated plate (64% perforation)	Sash door type 1 (W=650)	Sash door type 2 (W=350)	Multifunctional traverse	Top closed	Fan module 3-way (Throughput: 450 m³/h)
	31-6612-25	31-6612-03	31-6613-03	31-6121-02	31-6020-60	23-0300-53
	31-6620-25	31-6620-03	31-6621-03	31-6121-02	31-6020-60	23-0300-53
	31-6820-26	31-6620-03	31-6621-03	31-6121-02	31-6020-80	23-0300-53
	31-6612-25	31-6612-03	31-6612-03	31-6121-03	31-6022-60	23-0300-53
	31-6620-25	31-6620-03	31-6620-03	31-6121-03	31-6022-60	23-0300-53
	31-6820-26	31-6620-03	31-6620-03	31-6121-03	31-6022-80	23-0300-53

	17		18	19	20	21	22	23	24
	Cover plate size 6		Traverse strut size 7/8	Base with tilt prevention	Set of rollers for base with tilt prevention	Base corners	Cover type 1 closed	Cover type 1 cable entry	Cover type 2 closed
odule	closed	fan module							
	-	-	31-6111-00	31-6026-11	31-6026-50	31-6100-02	31-6100-10	31-6100-92	31-6101-10
	-	-	31-6111-00	31-6026-11	31-6026-50	31-6100-02	31-6100-10	31-6100-92	31-6101-10
-25	31-6111-16	31-6111-26	31-6111-01	31-6028-11	31-6026-50	31-6100-02	31-6100-04	31-6100-94	31-6101-10
	-	-	31-6111-00	-	-	31-6100-02	31-6100-10	31-6100-92	31-6103-20
	-	-	31-6111-00	-	-	31-6100-02	31-6100-10	31-6100-92	31-6103-20
-25	31-6111-16	31-6111-26	31-6111-01	-	-	31-6100-02	31-6100-04	31-6100-94	31-6103-20

Accessories

19” shelf 1U "fixed assembly" VARIplain



- variable depth adjustment with VARIplain technology (see diagram)
- designed as 19" component
- simple one-man assembly with open slotted hole in the 19" front (hook-in)
- telescopic from 455 - 780 mm (see diagram)
- load capacity: up to 80 kg (area load)

Finish: RAL 7035

Material: sheet metal

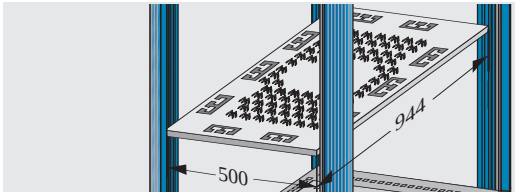
Dimensions (H x W x D): 1U (44 mm) x 19” (483 mm) x 445 mm

Storage space (w x d): 440 mm x 445 mm-780 mm

Delivery: complete with assembly accessories

Order number
31-6036-99

Shelf "fixed assembly" without 19" extension



- for assembly on cabinet frame without 19" levels
- for cabinet frame dimensions W x D = 650 mm x 1000 mm
- load capacity: up to 50 kg (area load)

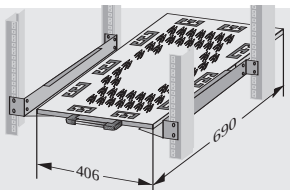
Finish: RAL 7035

Material: sheet metal

Dimensions (H x W x D): 25 mm x 500 mm x 944 mm

Order number
31-6036-10

19“ heavy duty shelf, extractable



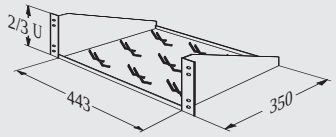
- load capacity: approx. 80 kg
- for a cabinet depth of 800 mm
- fully extractable in three stages
- 19" extension required front and rear

Delivery: heavy duty shelf with assembly accessories (with set of telescopic rails and handle for extraction)

Finish: RAL 7035 light grey

Order number
31-6037-89

19" shelf, fixed



- simple assembly into 19" metric grid system (only one 19" level required)
- ventilated
- load capacity: approx. 15 kg

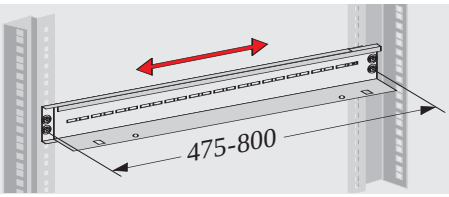
Delivery: shelf complete with assembly accessories

Finish: RAL 7035 light grey

Material: sheet metal

Height	Order number
2 U	31-5810-20
3 U	31-5810-00

Depth variable slide rails (set)



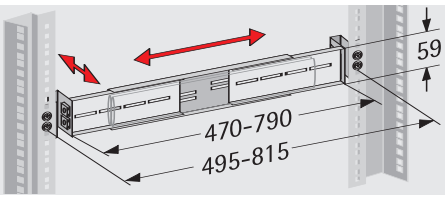
- for accepting 19" plug-in units irrespective of distance between the first and second 19" level

Finish: hot galvanized

Material: sheet metal

Order number
31-6544-20

Universal server mounting kit depth variable (set)



- for accepting all popular server models (used for assembly of telescopic rails in their respective server models)

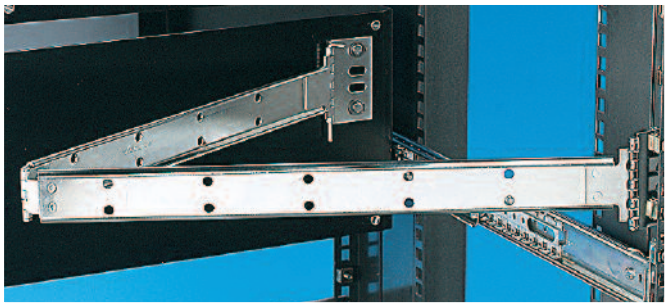
Finish: hot galvanized

Material: sheet metal

Order number
31-6546-00

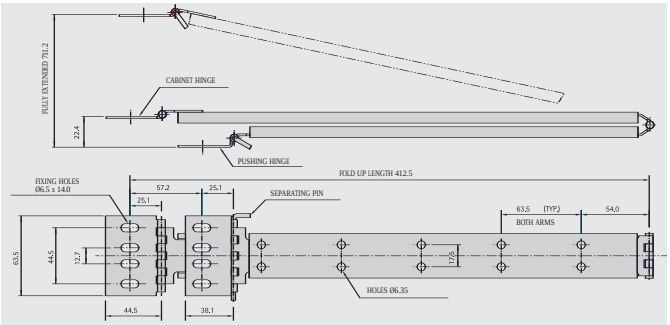
Accessories

Cable duct



- for rail lengths up to 700mm
- separation via plug-in
- dual hole row Ø 6.35 for cable fastening
- simple assembly
- suitable for frame assembly

Technical information



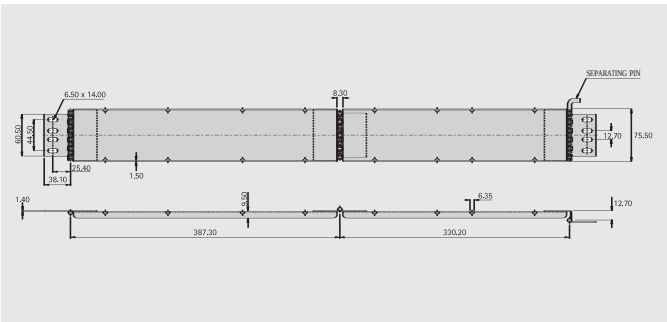
Drawing cable duct (sizes in mm)

Order number
680-005

Cable duct

- for rail lengths up to700mm
- separable by using separator pin
- suitable for large wiring harness
- simple assembly
- suitable for 19" cabinet assembly

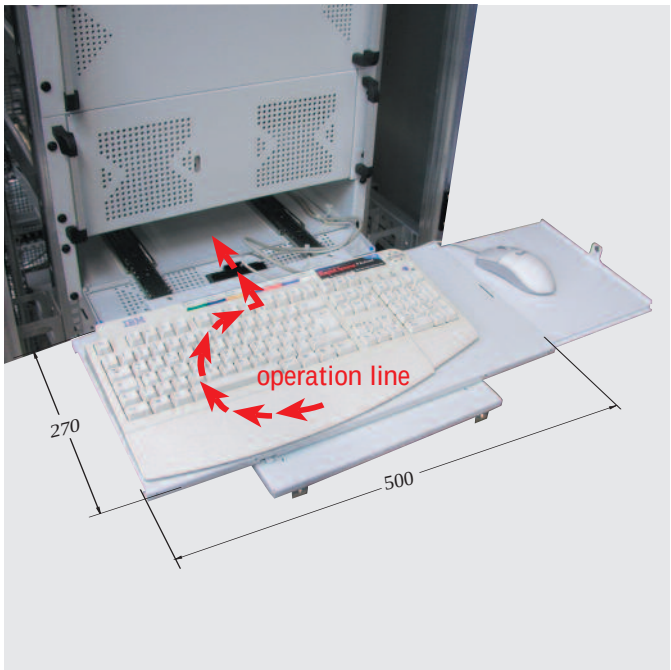
Technical information



Drawing cable duct for large wiring harness (sizes in mm)

Order number
680-006

19" 2U keyboard plug-in unit



- available keyboards may be integrated in 19" rack even if they are not 19" compatible.
- keyboard plug-in unit with hinged front panel for all usual keyboards (function keyboards)
- the extractable mouse working surface is suffi-ciently large and may be mounted at the front or either on the left or the right side.
- fixing at front and rear 19" levels, whereby the distance front/rear levels can be adapted as required from 445mm to 845mm

Finish:
RAL 7035 light grey

Material:
powder coated sheet metal

Dimensions (H x W x D):
2 U (88 mm) x 19” (483 mm) x 550 mm

Delivery:
complete with mounting hardware

Order information

Order number
20-2868-00

Note: Please refer to chapter 4 "System technology" and chapter 11 "Accessories" for additional accessories such as power socket strip, TFT, UPS ect.

Visions become reality...

VARIrack

- OEM server cabinet
- according to customer specified requirements and design